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County of Los Angeles CHIEF EXECUTIVE OFFICE

Kenneth Hahn Hall of Administration
500 West Temple Street, Room 713, Los Angeles, California 90012
(213) 974-1101
<http://ceo.lacounty.gov>

WILLIAM T FUJIOKA
Chief Executive Officer

Board of Supervisors
GLORIA MOLINA
First District

MARK RIDLEY-THOMAS
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

September 1, 2011

To: Mayor Michael D. Antonovich
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Zev Yaroslavsky
Supervisor Don Knabe

From: William T Fujioka
Chief Executive Officer

LOS ANGELES NETWORK FOR ENHANCED SERVICES - QUARTERLY UPDATE

On May 31, 2011, your Board authorized the Chief Executive Officer (CEO), as Chair of the Los Angeles Network for Enhanced Services (LANES) Board, to execute and implement the terms of the Cal eConnect (CeC) Health Information Exchange Expansion Grant Agreement on behalf of LANES, and accept grant funds in the amount of \$996,070 for the Health Data Highway Project (HDHP), effective upon Board approval for the term of June 2011 through November 2012, with approval by County Counsel and prior notification to the Board; and authorized the CEO to execute future amendments for modifications needed to comply with changes in State or federal laws or regulations, changes to line items in the budget and/or the timeline/deliverables as required for project implementation, and no-cost extensions if needed for project completion, in consultation with County Counsel and prior notification to your Board. In addition, your Board instructed the CEO to provide quarterly updates.

This is to provide our first quarterly report.

CURRENT STATUS

LANES worked with CeC staff to review and approve the final documents and they were signed on June 21, 2011. With the CeC grant agreement signed, LANES finalized a detailed statement of work (SOW) with its technology partner, Western Health Information Network (WHIN), necessary to achieve the deliverables included in the CeC grant (Attachment). This process was completed on August 16, 2011. Public Health

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Foundation Enterprises, Inc. (PHFE), the LANES fiscal intermediary, has incorporated these SOW's into technology services agreements with WHIN in order to carry out this work.

CeC processed the first quarter payment to LANES and it was received by PHFE. The County's Auditor-Controller is working with CEO and PHFE staff to ensure all of the reporting requirements for the grant funds are met.

Based on the additional time required to complete these items, LANES notified CeC that our deliverables and timeline for the grant will be revised accordingly. LANES and WHIN staff are currently evaluating the deliverables that were to be completed in the first quarter (June 2011 through August 2011) and updating the timeline for the deliverables. We will be working with CeC over the coming weeks on the revised timeline, pending their approval. A copy of the updated timeline will be provided to your Board as soon as it is available.

OTHER UPDATES

In addition to the items listed above, the following activities have taken place:

- Interim Executive Director (ED) for LANES hired – LANES has hired an interim ED, Debbie Rieger. Ms. Rieger has extensive experience in health information exchange and health information technology. As previously reported to your Board on May 31, 2011, L.A. Care is covering the salary of an ED for an 18 month period, which provides a portion of the required matching funds for the CeC grant. This interim appointment is expected to be for a 3 to 6 month period. In her role, Ms. Rieger will report to the LANES Board and will assume the role of Project Manager for the LANES CeC project; develop a sustainability plan for LANES; and assist with the search for the permanent LANES ED and the transition of responsibilities.
- New LANES Board member – Ken W. Kizer, MD, MPH, recently joined the LANES Board as the sixth Board member, filling the seat of the Independent Organization. Mr. Kizer is currently the Director of the Institute for Population Health Improvement at the University of California (UC) Davis Health System as well as a distinguished professor at the UC Davis School of Medicine and Betty Irene Moore School of Nursing. Mr. Kizer brings a wealth of health information technology background and experience to the LANES Board.

- Fiscal Intermediary Agreement signed – All six LANES Board members signed an agreement with PHFE, effective July 27, 2011, to operate as the LANES fiscal intermediary. Your Board previously authorized the CEO to sign an agreement with PHFE on January 11, 2011.
- Technology services agreement – LANES is working with PHFE and WHIN to review and approve the agreement between PHFE and WHIN for the required technology services for the LANES HDHP.
- Monthly CeC check-in calls – LANES has conducted two monthly check-in calls with CeC on July 21, 2011 and August 18, 2011, as required by the CeC grant. The calls represent an opportunity for CeC to check progress on the deliverables, as well as an opportunity for LANES to discuss achievements and challenges in meeting the grant deliverables.
- Bimonthly CeC Community of Practice (COP) webinars – LANES has participated in two bimonthly COP webinars on June 28, 2011 and August 16, 2011. The COP webinars include each of the five CeC HIE Expansion Grant grantees and are an opportunity to share relevant information regarding each grantees current experience, achievements, challenges, and best practices with all of the grantees.

NEXT STEPS

As noted above, LANES and WHIN will be working with CeC over the coming weeks to update the deliverables timeline. We will provide your Board a copy of the revised timeline once it is approved by CeC. LANES and WHIN will also begin work on the deliverables for the CeC grant quickly. For example, two of the first items to be worked on are the expansion of the WHIN infrastructure in order to scale-up for the Los Angeles County region and WHIN completing work on technical design documents for planned connections to State of California preferred Electronic Health Records systems. We will report the progress on the deliverables in our next report to your Board on November 30, 2011.

Each Supervisor
September 1, 2011
Page 4

Please let me know if you have questions or need additional information, or your staff may contact Sheila Shima, Deputy Chief Executive Officer, at (213) 974-1160 or sshima@ceo.lacounty.gov.

WTF:SAS:MLM
MM:bjs

Attachment

c: Executive Office, Board of Supervisors
 Auditor-Controller
 Chief Information Office
 County Counsel
 Health Services

090111_HMHS_MBS_LANES quarterly update

EXHIBIT A: STATEMENT OF WORK

**LONG BEACH NETWORK FOR HEALTH
dba WESTERN HEALTH INFORMATION NETWORK**

Program #3022.001.001.001.01.01

1. Definition of Common Terms in this Statement of Work.

ACN –Accountable Care Network

BAA – Business Associate Agreement

CCALAC – Community Clinic Association of Los Angeles County

CVHP – Citrus Valley Health Partners

DHS – Department of Health Services

Edge Server – In a federated health information exchange, an edge server acts as a proxy for the provider organization by hosting copies of patient records. Patient records contained in the edge server are cross referenced through the MPI and provided to requestors with appropriate consent.

HIE – Health Information Exchange

HITEC-LA – Health Information Technology Extension Center Los Angeles

LAC – Los Angeles County

LANES – Los Angeles Network for Enhanced Services

MPI – Master Person Index. All MPI work in this scope of work refers to the community (WHIN) MPI.

MPI Analysis – this is a report that provides information related to the number of contributing data sources, the number of matched lives, the number of unmatched lives, and the frequency of auto-linking of lives, etc.

NwHIN – Nationwide Health Information Network

TDD -- Technical Design Documents are field level documents that maps the participant's outbound interface to the WHIN inbound interface, including all design notes and mappings. This document will be approved by the participant before execution of the development.

2. Description of Services.

Company will provide appropriate resources and licenses to accomplish the following deliverables by quarter as described in the Cal eConnect Grant to LANES.

Grant Quarter	Deliverable(s) and Responsible Party or Parties
1Q	<p>Project Documents including:</p> <ol style="list-style-type: none"> 1. Project Charter 2. Detailed Project Plan and timelines 3. Documentation to Support Project Participants (specifications, TDDs, in kind tracking sheets, etc.) 4. Outreach and Communications Materials for non-project participants <p><i>WHIN</i> – Contract signing plus 3 weeks</p>
	<p>Signed Business Associate Agreement between LAC DHS and WHIN to support interface development (LAC DHS) and WHIN</p>
	<p>Establish new edge servers and MPI connectivity for CVHP</p> <ol style="list-style-type: none"> 1. Install virtual environment and Mirth Connect software to edge servers 2. Establish and test VPN connectivity between Mirth Connect and the edge servers 3. Update Technical Design Documents 4. Complete Channel (Interface) Development 5. Deploy Channel (Interface) to Test Environment 6. Test Channels <p><i>WHIN</i></p>
	<p>Establish new edge servers and MPI connectivity for Providence</p> <ol style="list-style-type: none"> 1. Install virtual environment and Mirth Connect software to edge servers 2. Establish and test VPN connectivity between Mirth Connect and the edge servers 3. Technical Design Documents 4. Complete Channel (Interface) Development 5. Deploy Channel (Interfaces) to Test Environment 6. Test Channels (Interfaces) <p><i>WHIN</i></p>
	<p>Conduct MPI Analysis and report results to LANES – establish a baseline of unique lives. Report the following statistics: auto-links, tasks created, changes.</p> <p><i>WHIN</i></p>

2Q	<p>CVHP and Providence Go-Live</p> <ol style="list-style-type: none"> 1. Establish Production Environment 2. Deploy Channels (Interfaces) to Production 3. Populate MPI 4. System Testing 5. User Acceptance Testing 6. Sign off for Go Live 7. Go-Live <p><i>(CVHP, Providence), and WHIN</i></p>
	<p>Los Angeles County DHS Interface to WHIN</p> <ol style="list-style-type: none"> 1. Establish Test Environment 2. Develop Technical Design Documents for Interfaces 3. Complete Channels (Interface) Development 4. Deploy Channels (Interface) to Test Environment 5. Test Channels (interfaces) <p><i>(LAC DHS) and WHIN</i></p>
	<p>Signed Business Associate Agreement between Los Angeles County Regional Safety Net ACN participants and WHIN to support interface development</p> <p><i>(Los Angeles County Regional Safety NET ACN) and WHIN</i></p>
	<p>Shared Edge Server for Community Clinics' data</p> <ol style="list-style-type: none"> 1. Install virtual environment and Mirth Connect software to edge server 2. Establish and test VPN connectivity between Mirth Connect and the edge server 3. Deploy Production Environment <p><i>Owner: WHIN</i></p>
	<p>Establish VPN & Edge Server with the Los Angeles County Regional Safety Net ACN participants</p> <ol style="list-style-type: none"> 1. Install virtual environment and Mirth Connect software to edge server 2. Establish and test VPN connectivity between Mirth Connect and the edge server <p><i>(Los Angeles County Regional Safety NET ACN) and WHIN</i></p>
	<p>Conduct MPI Analysis and report results to LANES – target 1% increase in unique lives over previous periods. Report the following statistics: auto-links, tasks created, changes.</p> <p><i>WHIN</i></p>
3Q	<p>The revised Data Participation Agreement is approved by L.A. County counsel to go to Board of Supervisors for approval</p> <p><i>(LANES) & WHIN</i></p>

	<p>Business Sustainability</p> <ol style="list-style-type: none"> 1. Establish a sustainability committee 2. Develop a cost model for LANES powered by WHIN 3. Develop a pricing model for LANES powered by WHIN 4. Determine the billing mechanism for LANES powered by WHIN 5. Determine the costs for the ongoing support of LANES powered by WHIN 6. Sell LANES powered by WHIN service subscriptions <p><i>(LANES) and WHIN</i></p>
	<p>Quest/Care 360 Interface and Go-Live</p> <ol style="list-style-type: none"> 1. Sign Business Associate Agreement 2. Establish and test VPN connectivity between Quest and WHIN 3. Establish Test Environment 4. Complete Channel Development 5. Deploy Channel to Test Environment 6. Establish Production Environment 7. System Testing 8. User Acceptance Testing for all sites that provide Quest data through this interface 9. Sign off for Go Live with each site 10. Go-Live with each site <p><i>(Quest) and WHIN</i></p>
	<p>Los Angeles County Regional Safety Net ACN Interfaces to WHIN</p> <ol style="list-style-type: none"> 1. Establish Test Environment 2. Develop Technical Design Documents 3. Complete Channel (Interface) Development 4. Deploy Channel (Interface) to Test Environment <p><i>(Los Angeles County Regional Safety NET ACN participants) and WHIN</i></p>
	<p>HITEC-LA Preferred EHR Vendors Interface to WHIN – first four of eight sites</p> <p><i>WHIN</i></p> <ol style="list-style-type: none"> 1. Sign Business Associate Agreement 2. Establish and test VPN connectivity between Mirth Connect and the edge server 3. Complete Channel (Interface) Development 4. Deploy Channel (Interface) to Test Environment 5. Test Channels (Interfaces) 6. Establish Production Environment 7. Deploy Channel (Interface) to Production four respective sites 8. System Testing 9. User acceptance testing 10. Sign off for Go Live for each of four sites 11. Go-Live with four sites <p><i>Owner: (HITEC-LA) and WHIN</i></p>

	<p>Conduct MPI Analysis and provide statistics to LANES – target 1% increase in unique lives over previous periods. Report the following statistics: auto-links, tasks created, changes.</p> <p><i>WHIN</i></p>
4Q	<p>Los Angeles County DHS Go-Live</p> <ol style="list-style-type: none"> 1. Board of Supervisors approves Data Participation Agreement 2. Establish Production Environment 3. Deploy Channel (Interface) to Production 4. Pre-tune MPI for LAC DHS data by matching sample pairs 5. System Testing 6. User Acceptance Testing 7. Sign off for Go Live 8. Go-Live <p><i>(LAC DHS) and WHIN</i></p>
	<p>Los Angeles County Regional Safety Net ACN Go-Live</p> <ol style="list-style-type: none"> 1. Sign Data Participation Agreement 2. Establish Production Environment 3. Deploy Channel (Interface) to Production 4. System Testing 5. User Acceptance Testing 6. Sign off for Go Live 7. Go-Live <p><i>(Los Angeles County Regional Safety Net ACN) and WHIN</i></p>
	<p>HITEC-LA Preferred EHR Vendors Interface to WHIN – second four of eight sites</p> <p><i>WHIN</i></p> <ol style="list-style-type: none"> 1. Sign Business Associate Agreement 2. Establish and test VPN connectivity between Mirth Connect and the edge server 3. Complete Channel (Interface) Development 4. Deploy Channel (Interface) to Test Environment 5. Test Channels (Interfaces) 6. Establish Production Environment 7. Deploy Channel (Interface) to Production four respective sites 8. System Testing 9. User acceptance testing 10. Sign off for Go Live for each of four sites 11. Go-Live with four sites <p><i>Owner: (HITEC-LA) and WHIN</i></p>
	<p>NwHIN Gateway</p> <ol style="list-style-type: none"> 1. Configure Gateway 2. Establish VPN connectivity 3. Test Gateway <p><i>(LANES, ONC) and WHIN</i></p>

	Provide metrics for Cal eConnect evaluation team (LANES) & WHIN
	Conduct MPI Analysis and provide statistics to LANES – target 25% increase in unique lives over previous periods. Report the following statistics: auto-links, tasks created, changes. WHIN
5Q	Conduct MPI Analysis and provide statistics to LANES -- target 5% increase in unique lives over previous periods. Report the following statistics: auto-links, tasks created, changes. WHIN
	Provide metrics for Cal eConnect evaluation team (LANES) & WHIN
6Q	Conduct MPI Analysis and provide statistics to LANES – target 5% increase in unique lives over previous period. Report the following statistics: auto-links, tasks created, changes. WHIN
	Provide metrics for Cal eConnect evaluation team (LANES) & WHIN

3. Status Reports

Company will provide the LANES Board, or their designee, with monthly status reports, monthly accounting reports, and participate in meetings with Cal eConnect, as per the Cal eConnect grant requirements. Monthly status reports provided to the LANES Board will include: detailed work hours (name, hourly rate, and hours worked), status of assigned tasks, and measures of significant progress.

4. Company Staff Resources

Company will provide the following staff to the project in order to meet the described deliverables, consisting of Company staff or consultants:

Joe Brisson, Project Manager – estimate 940 hours @ \$104/hour.

Martin Devon, Operations Manager – estimate 376 hours @\$124/hour.

Rim Cothren and/or Dale Will, HIE Architect – estimate 200 hours @\$225/hour.

Stacie Durkin, MPI Specialist – estimate 200 hours @\$225/hour.

Legal Counsel – estimate 50 hours @\$575/hour.

Interface Engineer – 842.1 hours @ \$95/hour.

Technical Writer – 120 hours @ \$55/hour.

Tester – 229.8 hours @ \$50/hour.

5. Company Infrastructure Resources

Company will provide the following infrastructure resources to the project:

Core HIE Implementation in New Data
Center

\$67,125.00



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Chief Executive Officer

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Fifth District

December 19, 2011

To: Supervisor Zev Yaroslavsky, Chairman
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Don Knabe
Supervisor Michael D. Antonovich

From: William T Fujioka
Chief Executive Officer

A handwritten signature in black ink, appearing to read "W. T. Fujioka", is written over the printed name of the Chief Executive Officer.

LOS ANGELES NETWORK FOR ENHANCED SERVICES - QUARTERLY UPDATE

On May 31, 2011, your Board authorized the Chief Executive Officer (CEO), as Chair of the Los Angeles Network for Enhanced Services (LANES) Board, to execute and implement the terms of the Cal eConnect (CeC) Health Information Exchange Expansion Grant Agreement on behalf of LANES, and accept grant funds in the amount of \$996,070 for the Health Data Highway Project (HDHP), effective upon Board approval for the term of June 2011 through November 2012, with approval by County Counsel and prior notification to the Board; and authorized the CEO to execute future amendments for modifications needed to comply with changes in State or Federal laws or regulations, changes to line items in the budget and/or the timeline/deliverables as required for project implementation, and no-cost extensions if needed for project completion, in consultation with County Counsel and prior notification to your Board. In addition, your Board instructed the CEO to provide quarterly updates.

This is to provide our second quarterly report.

"To Enrich Lives Through Effective And Caring Service"

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CURRENT STATUS

In our last status report, we indicated we were working with CeC to update the timeline for the grant deliverables, with the same planned completion date of November 2012. The updated timeline was finalized, submitted, and approved by CeC. However, since that time, the project has experienced additional delays, as discussed further below, and we are reviewing the timeline for further updates.

As we advised your Board offices shortly after our first quarterly report was released, the LANES technology partner, the Western Health Information Network (WHIN), has undergone a change in leadership. Laura Landry, the Executive Director (ED) of WHIN, was named the Interim Chief Executive Officer of CeC, effective September 1, 2011, and resigned from her position at WHIN. WHIN has since filled their ED position.

While the LANES Board and WHIN staff initially thought this change would result in a seamless transition, the leadership change has been more of a challenge than anticipated. The LANES Interim Executive Director, Debbie Rieger, and the LANES Board, are working closely with WHIN to address these challenges, which have nonetheless contributed to the delays in the implementation timeline.

WHIN has also experienced delays working with the ambulatory Electronic Health Record (EHR) vendors and with negotiating and signing contracts with such vendors. As you know, in order for providers to meet their target EHR incentive payments, all providers must implement EHR systems. This has placed an increased demand on the EHR vendors and has contributed to the delays in obtaining information from the EHR vendors on needed integration specifications.

The LANES Board does not anticipate the current delay will impact the ultimate completion of the project, despite the changing timeline. However, the LANES Board and its Technology Advisory Committee continue to evaluate options to expedite completion of the project and will be finalizing a plan over the next few weeks.

We have been in regular communication with CeC through our monthly check-in calls, monthly reports, and quarterly reports, and they are aware of the pending delays. Based on the additional time required to complete the deliverables, LANES is working with CeC on the revised timeline.

LANES AND THE FUTURE DHS EHR

The LANES HDHP will allow the project participants to connect to LANES to share and query health data, whether they use an EHR or another electronic clinical information system. Since the Department of Health Services (DHS) is currently seeking its EHR technology vendor, they will, in the interim, be able to connect their six separate instances of QuadraMed to LANES by sending the data to LANES through DHS's Enterprise Data Repository (EDR), which compiles the information from DHS's information systems, including QuadraMed.

Although having an EHR is not required for participating in LANES, it is still necessary for DHS to implement an EHR to meet the following objectives:

- Improve patient safety and the quality and efficiency of care
- Support ambulatory care restructuring towards health care reform
- Improve DHS' position in an increasingly competitive environment
- Meet meaningful use criteria and comply with American Recovery and Reinvestment Act requirements to avoid penalties
- Meet a technical and contractual need to replace the current information system

DHS EHR INTERACTION WITH THE COUNTY ENTERPRISE MASTER PERSON INDEX (EMPI)

In order to share patient data across various information systems, DHS must be able to uniquely identify persons and then match them to records in other systems within the County and outside the County. DHS will have its own Master Patient Index (MPI) with the new EHR system. Currently QuadraMed has six different MPI's at each one of the siloed QuadraMed sites. As DHS converts to the EHR, each of the siloed facilities will join the new DHS EHR's MPI. When the DHS EHR implementation is complete, there will be one single MPI for all patients at DHS, regardless of the care venue or location that they visit. The DHS EHR MPI will then communicate with the larger County EMPI in order to match persons across County departments. The County EMPI will also communicate with the County's Health Information Exchange (HIE) efforts with LANES which will link information from LA County departments, as appropriate, with health care providers outside County government.

OTHER UPDATES

In addition to the items listed above, the following activities have taken place:

- Health-e-LA – The Board members of Health-e-LA, which held the seat of the Health Information Exchange (HIE) organization on the LANES Board, voted to dissolve itself in September 2011. As such, the HIE seat has been vacated by Health-e-LA, and the remaining LANES Board members are considering options for filling this seat. As part of their action, Health-e-LA also voted to request that the LANES Board accept oversight of the Health-e-LA projects, including the previously received grant funds from Pacific United to begin the Encounter Summary Sheet (ESS) Phase I project and the \$1.5 million that your Board approved for Phase II of the project which would allow for interfaces of additional community clinics with DHS and the LANES HDHP. As part of that action, your Board delegated authority for the Department of Health Services to enter into an agreement with Public Health Foundation Enterprises, Inc. (PHFE) to manage the funds for that Phase II project. Oversight for Phase I of the project was provided by PHFE and we do not see any issue in completing the project due to the dissolution of the Health-e-LA Board. LANES will assume any necessary support and oversight of the project that Health-e-LA would have otherwise provided.
- Monthly CeC check-in meetings – LANES conducted two more monthly check-in calls with CeC in September 2011 and October 2011. In addition, LANES sent a team to Sacramento on November 7, 2011 to attend an in person check-in meeting. This team also attended a State-wide HIE seminar with CeC and other HIE participants and stakeholders in California on November 8, 2011. The meetings represent an opportunity for CeC to check progress on the deliverables, as well as an opportunity for LANES to discuss achievements and challenges in meeting the grant deliverables.
- CeC Community of Practice (COP) meetings – LANES participated in three more COP webinars in September 2011 and October 2011. A fourth in-person COP also took place in Sacramento during the LANES team's visit on November 7, 2011. The COP meetings include each of the five CeC HIE Expansion Grant grantees and are an opportunity to share relevant information regarding each grantees current experience, achievements, challenges, and best practices with all of the grantees.

NEXT STEPS

As noted above, irrespective of the current delays, the LANES Board is evaluating options for ensuring the HDHP project is completed within the current timeframe. As we move forward, we will be working with CeC to ensure they are aware of our progress.

Each Supervisor
December 19, 2011
Page 5

We will report the progress on the deliverables in our next report to your Board on February 29, 2012.

Please let me know if you have questions or need additional information, or your staff may contact Sheila Shima, Deputy Chief Executive Officer, at (213) 974-1160 or sshima@ceo.lacounty.gov or Kevin Lynch, DHS Chief Information Officer, at (213) 240-8128 or klynch@dhs.lacounty.gov.

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c: Executive Office, Board of Supervisors
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Health Services

121911_HMHS_MBS_Lanes quarterly update

Mirth Channel Development Consulting	\$30,000.00
Mirth Results, Community Portal	\$60,000.00
Distributed Query, NHIN Gateway	\$30,000.00
Mirth Connect, Data Feeds	\$20,000.00
additional IPSecVPN Connections	\$1,500.00
Initiate MPI Licenses	\$135,200.00
Mirth HIE Licenses	\$126,750.00
Community Clinic Shared Server & Hosting	\$48,000.00

6. Edge Servers

WHIN will ensure the participating clinic's data on the edge server will be segregated by organization as appropriate. WHIN will also provide hardware for an edge server to the Los Angeles County Department of Health Services.



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Fifth District

March 2, 2012

To: Supervisor Zev Yaroslavsky, Chairman
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Don Knabe
Supervisor Michael D. Antonovich

From: William T Fujioka
Chief Executive Officer

A handwritten signature in black ink, appearing to be "WTF", is written over the printed name of William T. Fujioka.

LOS ANGELES NETWORK FOR ENHANCED SERVICES - QUARTERLY UPDATE

On May 31, 2011, your Board authorized the Chief Executive Officer (CEO), as Chair of the Los Angeles Network for Enhanced Services (LANES) Board, to execute and implement the terms of the Cal eConnect (CeC) Health Information Exchange Expansion Grant Agreement on behalf of LANES, and accept grant funds in the amount of \$996,070 for the Health Data Highway Project (HDHP), effective upon Board approval for the term of June 2011 through November 2012, with approval by County Counsel and prior notification to the Board; and authorized the CEO to execute future amendments for modifications needed to comply with changes in State or Federal laws or regulations, changes to line items in the budget and/or the timeline/deliverables as required for project implementation, and no-cost extensions if needed for project completion, in consultation with County Counsel and prior notification to your Board. In addition, your Board instructed the CEO to provide quarterly updates.

This is to provide our third quarterly report.

CURRENT STATUS

In our last status report, we indicated we had experienced some delays in the implementation timeline and were working with our technology partner, the Western Health Information Network (WHIN), and CeC to update the timeline for the grant deliverables, with the same planned completion date of November 2012.

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In January 2012, CeC informed us of concerns with the delays we had experienced and offered their help in addressing these issues. LANES had multiple communications via phone with CeC during this time period to discuss the active steps LANES had taken with WHIN to address the delays, including establishing a revised timeline and budget. In February 2012, CeC requested the following, to which the LANES Board responded as indicated below:

CeC Request	LANES Response
Revise the deliverables, timelines and budget.	Met with CeC on February 9, 2012 and provided revised deliverables, timelines and budget. Upon review and discussion of these documents, they were approved by CeC.
Quarterly meetings between CeC and the LANES Board.	The first of these meetings was February 9, 2012 and will continue through the duration of the grant.
Monthly meetings with project participants, including key exchange partners.	A CeC representative will participate in a portion of the monthly LANES Board meeting that will include the key exchange partners, which are Department of Health Services (DHS), L.A. Care, and the Community Clinic Association of Los Angeles County (CCALAC).
Monthly written status reports.	Provided CeC a monthly status report in February 2012 and will continue to do so each month.
Inclusion of a CeC staff member in weekly LANES project progress meetings.	A CeC representative has begun participating in weekly progress calls with the LANES staff.

Both CeC and LANES reiterated their commitment to an open and transparent relationship to ensure success of the HDHP project. Given the relative size of the population of Los Angeles County (County) in relation to the State of California, CeC is very interested in supporting LANES in developing an HIE in the County.

Further, in order for LANES to ensure future progress on project deliverables, LANES and WHIN are working towards a merger of the two Boards and infrastructures as a single HIE entity. This proposed merger is supported by CeC. The details of this merger will be developed over the next 30 days and will be provided to your Board in a separate report. Any items requiring action by your Board will be presented for your consideration in the upcoming weeks.

REVISED DELIVERABLES, TIMELINES, AND BUDGET

The revised deliverables, timelines, and budget are attached. The changes primarily reflect the following:

- Some deliverables were reoriented so that LANES takes more control over the resources in the project. For instance, LANES will be hiring a project manager to be responsible for ensuring the project deliverables, timelines, and budget are met. Project management was previously provided by WHIN.
- LANES will be involved in obtaining contract staff to perform project deliverables, as needed. The hiring of staff was previously handled by WHIN.
- The timing of the deliverables was adjusted to bring DHS' data into the system earlier in the implementation process. This is to incentivize other providers to participate in the LANES HIE by providing access to data that could help improve the treatment and care coordination of their patients that may have previously been seen at a DHS facility. Additional information is provided below about this effort.
- The previous set of deliverables envisioned licenses for 2 million unique patients to be added to the HIE. By leveraging the purchase of licenses that DHS is planning to make for the County Enterprise Master Person Index (EMPI), approximately six million unique patients will be added to the HIE. LANES and CeC see this increase in the number of unique patients to be included in the system as bringing great value to the investment being made into this project. Additional information is provided below about this purchase.
- Some planned project participants were moved into a pending category. Some of these participants have indicated possible changes in their data exchange plans and it is not clear at this time if they are going to participate in the LANES HIE. As indicated above, we hope that making DHS' data available could attract participants such as these to join the LANES HIE. With DHS data in the system, we will still meet CeC project deliverables, despite delays in adding some project participants.
- The deliverables no longer include the development of interfaces to the eight preferred Electronic Health Record (EHR) vendors that are part of the HITEC-LA project. The original idea was to build these interfaces and make them available to any providers that use one of these eight EHR's. However, after further review and discussion with CeC, it was determined that no additional value would be created by developing these interfaces that might not ultimately be used and/or would require additional funding to modify to work with providers specific system implementations. As an additional component, instead, an interface will be developed for L.A. Care data to be included in the LANES HIE.

- The budget includes various changes to reflect recent changes in the HIE environment and updated project requirement, such as increased hourly rates for staff that are in high demand, refinements to the number of hours required to complete certain deliverables, increased software license costs, and necessary software upgrade costs.
- The revised budget also reflects some potential cost overruns. LANES is evaluating opportunities to cover these increased costs, including other sources of funding and/or additional grants.

The LANES Board and CeC both feel that the changes described above bring more value to the HDHP project by increasing the number of unique patients that will be included in the LANES HIE.

DHS PARTICIPATION IN THE LANES HIE

As mentioned above, the key component to ensuring success of the LANES HIE is entering DHS' data into the LANES HIE. County representatives, including staff from the CEO, County Chief Information Office (CIO), County Counsel, Auditor-Controller (A-C), and DHS are working on reviewing the privacy and security policies and data use agreements that have been established by WHIN in order to ensure they meet the requirements of the County. We will be briefing your offices on these policies and agreements in the next few months and will return to your Board separately to request approval of these policies and agreements in May 2012.

We will also be briefing your offices in the next few months on the process for purchasing the required EMPI licenses that are needed in order for the DHS data to be included in the LANES HIE. We expect to return to your Board in May 2012 with a separate agreement for that purchase.

OTHER UPDATES

In addition to the items listed above, the following activities have taken place:

- Privacy and Security Policy Committee – LANES established a policy committee in January 2012 to evaluate privacy and security policies as well as review the current data use agreements that were developed by WHIN. This committee includes representatives from CEO, County Counsel, A-C, CIO, DHS, CCALAC, L.A. Care, and WHIN.

Each Supervisor
March 2, 2012
Page 5

- Sustainability Committee – LANES established a sustainability committee in February 2012 to evaluate various options regarding how the LANES HIE can be sustainable once the grant funding has been spent. This committee includes representatives from the CEO, CIO, L.A. Care, WHIN, Gateways Hospital, and Community Health Alliance of Pasadena.
- Monthly CeC check-in meetings – LANES conducted monthly check-in calls with CeC in December 2011, January 2012, and February 2012. The meetings represent an opportunity for CeC to check progress on the deliverables, as well as an opportunity for LANES to discuss achievements and challenges in meeting the grant deliverables.
- CeC Community of Practice (COP) meetings – LANES participated in two more COP webinars in January 2012 and February 2012. The COP meetings include each of the five CeC HIE Expansion Grant grantees and are an opportunity to share relevant information regarding each grantees current experience, achievements, challenges, and best practices with all of the grantees.

NEXT STEPS

As noted above, LANES is moving forward at a rapid pace to ensure that the project is completed by the end of the grant period in November 2012. We will also continue working on reviewing and approving the privacy and security policies and data use agreements in order to present them to your Board for approval in May 2012. This would allow DHS to meet the estimated go live date of July 15, 2012. Further, we will provide a separate written report to your Board on the proposed LANES/WHIN merger.

Finally, we will report additional progress on the deliverables in our next quarterly report to your Board by May 31, 2012.

If you have any questions regarding this matter, please contact Sheila Shima at (213)974-1160 or sshima@ceo.lacounty.gov or Kevin Lynch, DHS Chief Information Officer, at (213) 240-8128 or klynch@dhs.lacounty.gov.

WTF:SAS:MLM
MM:hd

Attachments

c: Executive Office, Board of Supervisors
Auditor-Controller
Chief Information Office
County Counsel
Health Services

LANES HEALTH DATA HIGHWAY PROJECT - CAL eCONNECT GRANT DELIVERABLES**GRANT TERM: JUNE 2011 THROUGH NOVEMBER 2012****UPDATED 2/17/2012**

New Item #	Deliverable	Owner	Exchange Partner	Original		Revised		Status	Comments/Notes
				Due Date	CeC Qtr *	Due Date	CeC Qtr *		
1	Quarterly Report	LANES		8/31/11	Q1	8/31/11	Q1	Complete	
2	Budget with Actuals	LANES		8/31/11	Q1	8/31/11	Q1	Complete	
3	Deliver Project Documents	WHIN		10/5/11	Q2	10/5/11	Q2	Complete	Finished as scheduled 3 weeks after signing of contract 9/14/11
4	Community Clinics Technical Design Documents completed for i2i Interfaces	WHIN	CCALAC Phase 1 Clinics	11/30/11	Q2	10/15/11	Q2	Complete	NOTE: i2i clinics (referred to as Phase 1 for CCALAC)
5	Execute BAA with LAC DHS to start development of interfaces (WHIN)	WHIN	LA County DHS	7/31/11	Q1	10/31/11	Q2	Complete	Legal approval delayed finalization
6	Clinic Server & VPN	CCALAC/DHS / WHIN	CCALAC Phase 1 Clinics	9/31/11	Q2	10/31/11	Q2	Complete	No Edge Server Required for Clinics - pending LANES Board Approval
7	Quarterly Report	LANES		11/30/11	Q2	11/30/11	Q2	Complete	
8	Budget with Actuals	LANES		11/30/11	Q2	11/30/11	Q2	Complete	
9	LAC DHS Technical Design Documents completed for Interfaces	WHIN	LA County DHS	11/30/11	Q2	12/23/11	Q3	Complete	HL7 2.x spec delivered to John Mendoza & Katherine Johnson. CDA spec pending completion by 1/31/12
10	Establish New Edge Server and MPI Connectivity for Providence - Install Server and establish connectivity.	WHIN	Providence	8/31/11	Q1	2/20/12	Q3	In Process	Ordered and ready to install pending Mirth payment
11	LAC DHS Edge Server & VPN	LAC-DHS/ WHIN	LA County DHS	9/30/11	Q2	2/29/12	Q3	In Process	Need to finalize purchase decision at DHS and make payment to Mirth.
12	Establish New Edge Server and MPI Connectivity for Providence - Finalize Channel development and complete development testing.	WHIN	Providence	8/31/11	Q1	2/29/12	Q3	In Process	Split #5 into 2 sub-tasks for clarity
13	QueensCare & LA Christian technical design completed for Interfaces	WHIN	QueensCare, LA Christian	11/30/11	Q2	2/29/12	Q3	In Process	Was originally Tarzana, CHAP, QueensCare & LA Christian (no TDDs required before development now)
14	Quarterly Report	LANES		2/29/12	Q3	2/29/12	Q3	In Process	
15	Budget with Actuals	LANES		2/29/12	Q3	2/29/12	Q3	In Process	
16	Quest Interface	WHIN	Quest	1/31/12	Q2	3/31/12	Q4	In Process	No longer Care 360 - just Quest
17	Business Sustainability	LANES /WHIN		11/30/11	Q2	4/15/12	Q4	In Process	(Not in CeC SOW - from Revised SOW)
18	Tarzana & CHAP technical design completed for Interfaces	WHIN	Tarzana, CHAP	11/30/11	Q2	4/15/12	Q4	In Process	Was originally Tarzana, CHAP, QueensCare & LA Christian (no TDDs required before development now)
19	Privacy & Security Policy Committee	LANES		8/31/11	Q1	4/15/12	Q4	In process	Meeting scheduled for January 30, 2012. Committee will continue working after 4/15/12, however, work must be completed by 4/15/12 in order to ensure County approval of the policies and agreements by July 15, 2012.
20	Revised Data Participation Agreement	LANES /WHIN		1/31/12	Q2	4/15/12	Q4	In Process	Discussion at the Policy committee meeting 1/30

LANES HEALTH DATA HIGHWAY PROJECT - CAL eCONNECT GRANT DELIVERABLES**GRANT TERM: JUNE 2011 THROUGH NOVEMBER 2012****UPDATED 2/17/2012**

New Item #	Deliverable	Owner	Exchange Partner	Original		Revised		Status	Comments/Notes
				Due Date	CeC Qtr *	Due Date	CeC Qtr *		
21	Providence Go-Live	Providence / WHIN	Providence	n/a	n/a	4/15/12	Q4	In Process	
22	Tarzana Interfaces developed and deployed	Tarzana /WHIN	Tarzana	11/30/11	Q2	4/30/12	Q4	Not Started	Originally only this one scheduled for Q2
23	CHAP Interfaces developed and deployed	CHAP /WHIN	CHAP	2/29/12	Q3	4/30/12	Q4	Not Started	Originally this one scheduled for Q3
24	Community Clinics first 8 priority sites (i2i)	Clinics /WHIN	Initial 8 Phase 1 Sites	11/30/11 & 2/29/12	Q2, Q3	4/30/12	Q4	In Process	Originally deploying 4 clinics in Q2 and 4 in Q3
25	LAC Counsel approves LANES powered by WHIN DPA for signing	LAC	LA County	2/29/12	Q3	4/30/12	Q4	Not Started	On target
26	WHIN Interface to LA County DHS developed	LAC DHS / WHIN	LA County	11/30/11	Q2	5/15/12	Q4	Not Started	Pending Server selection and deployment
27	Quarterly Report	LANES		5/31/12	Q4	5/31/12	Q4	Not Started	
28	Budget with Actuals	LANES		5/31/12	Q4	5/31/12	Q4	Not Started	
29	LAC Board of Supervisors authorizes CEO to sign LANES powered by WHIN DPA	LAC	LA County	2/29/12	Q3	6/15/12	Q5	Not Started	Note: Moved to Q2 from Q3 in revised SOW
30	EHR Clinic Interface for QueensCare and LA Christian	QC/LA Chr /WHIN	QueensCare, LA Christian	2/29/12	Q3	6/30/12	Q5	Not Started	Originally 1 Clinic Q2 and 3 clinics Q3. Now 2 Clinics Q4, 2 Clinics Q5
31	Community Clinic Interfaces for final 6 clinics	Clinics /WHIN	Final 6 Phase 1 Sites	5/31/12	Q4	6/30/12	Q5	Not Started	
32	IBM: Upgrade of Initiate and new rules algorithms	WHIN / DHS	LA County	5/13/12	Q4	7/15/12	Q5	Not Started	Formerly "Pre-Tune MPI for LAC DHS Data"
33	LAC DHS Go-Live	DHS /WHIN	LA County	6/30/12	Q5	7/15/12	Q5	Not Started	Note: Moved up to Q4 (Finish in March) (Not in CeC SOW - from Revised SOW) Pending IBM Upgrade/Rules changes, Board approval of DPA and resolving licensing.
34	LA Care interface	LA Care/WHIN	LA Care			8/31/12	Q5	Not Started	NEW ITEM.ADDED
35	Provide metrics for Cal eConnect evaluation team	LANES /WHIN		8/31/12	Q5	8/31/12	Q5	Not Started	
36	Quarterly Report	LANES		8/31/12	Q5	8/31/12	Q5	Not Started	
37	Budget with Actuals	LANES		8/31/12	Q5	8/31/12	Q5	Not Started	
38	Provide metrics for Cal eConnect evaluation team	LANES /WHIN		11/30/12	Q6	11/30/12	Q6	Not Started	
39	Quarterly Report	LANES		11/30/12	Q6	11/30/12	Q6	Not Started	
40	Budget with Actuals	LANES		11/30/12	Q6	11/30/12	Q6	Not Started	
41	FINAL PROJECT REPORT	LANES /PHFE		11/30/12	Q6	11/30/12	Q6	Not Started	

NO LONGER IN SCOPE; MAY BE ADDED BACK DEPENDENT ON LAC DHS IMPLEMENTATION BY 7/15 AND ADDITIONAL FUNDING:

42	Execute BAA and DPA with Los Angeles County Regional Safety Net ACN - AltaMed	WHIN	AltaMed	8/31/11	Q1	9/15/12	Q6	On Hold	Pending LA County data Go-Live
43	Execute BAA and DPA with Los Angeles County Regional Safety Net ACN - Hwd Christian	WHIN	Hollywood Christian	8/31/11	Q1	9/15/12	Q6	On Hold	Pending LA County data Go-Live
44	Establish New Edge Server and MPI Connectivity for CVHP	WHIN	CVHP	8/31/11	Q1	9/15/12	Q6	On Hold	Pending LA County data Go-Live and/or approval from new CVHP Senior Management

LANES HEALTH DATA HIGHWAY PROJECT - CAL eCONNECT GRANT DELIVERABLES**GRANT TERM: JUNE 2011 THROUGH NOVEMBER 2012****UPDATED 2/17/2012**

New Item #	Deliverable	Owner	Exchange Partner	Original		Revised		Status	Comments/Notes
				Due Date	CeC Qtr *	Due Date	CeC Qtr *		
45	Establish Edge Server (if needed) and Connectivity with LAC Regional Safety Net ACN AltaMed	ACN/ WHIN	AltaMed	11/30/11	Q2	9/30/12	Q6	On Hold	Pending LA County data Go-Live and #50 above
46	Establish Edge Server (if needed) and Connectivity with LAC Regional Safety Net ACN Hwd Christian	ACN/ WHIN	Hollywood Christian	11/30/11	Q2	9/30/12	Q6	On Hold	Pending LA County data Go-Live and #51 above
47	CVHP Go-Live	CVHP/ WHIN	CVHP	n/a	n/a	11/15/12	Q6	On Hold	Pending LA County data Go-Live and completion of #52 above
48	LAC Regional Safety Net ACN AltaMed ready for Production	LANES	AltaMed	2/29/12	Q3	11/15/12	Q6	On Hold	Pending LA County data Go-Live and completion of #53 above
49	LAC Regional Safety Net ACN Hwd Christian ready for Production	LANES	Hollywood Christian	2/29/12	Q3	11/15/12	Q6	On Hold	Pending LA County data Go-Live and completion of #54 above
50	Los Angeles Regional Safety Net ACN AltaMed Go Live	ACN/ WHIN	AltaMed	5/31/12	Q4	11/30/12	Q6	On Hold	(Not in CeC SOW - from Revised SOW) Pending LA County data Go-Live and completion of #56 above
51	Los Angeles Regional Safety Net ACN Hwd Christian Go Live	ACN/ WHIN	Hollywood Christian	5/31/12	Q4	11/30/12	Q6	On Hold	(Not in CeC SOW - from Revised SOW) Pending LA County data Go-Live and completion of #57 above
52	NwHIN Gateway	LANES /ONC / WHIN	NwHIN	5/31/12	Q4	TBD	TBD	On Hold	Can be done anytime but recommend to wait till after DHS go live

NO LONGER IN SCOPE; AFTER FURTHER REVIEW AND AGREEMENT WITH CAL eCONNECT, ITEMS DO NOT PROVIDE VALUE FOR THE PROJECT:

53	HITEC LA Edge Server & VPN			11/30/11	Q2	n/a	n/a	(Deleted)	
54	HITEC LA Technical Design Documents completed for Interfaces			11/30/11	Q2	n/a	n/a	(Deleted)	
55	HITEC LA Clinic Interfaces for 4 prioritized EHRs complete			11/30/11	Q2	n/a	n/a	(Deleted)	
57	HITEC LA Clinic Interfaces for 4 prioritized EHRs complete			2/29/12	Q3	n/a	n/a	(Deleted)	
58	HITEC LA Preferred Vendors Interface to WHIN - second 2 of 8 sites if applicable contracts are signed by HITEC LA			5/1/12	Q4	n/a	n/a	(Deleted)	

*** QUARTER TIME FRAMES:**

- Q1 June 1, 2011 - August 31, 2011
- Q2 September 1, 2011 - November 31, 2011
- Q3 December 1, 2011 - February 29, 2012
- Q4 March 1, 2012 - May 31, 2012
- Q5 June 1, 2012 - August 31, 2012
- Q6 September 1, 2012 - November 31, 2012

LANES HEALTH DATA HIGHWAY PROJECT - CAL eCONNECT GRANT BUDGET**GRANT TERM: JUNE 2011 THROUGH NOVEMBER 2012****UPDATED 2/17/2012**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Item	Responsible Party	PROJECT BUDGET				PROJECT ESTIMATE			Variance Cols. (6)-(9)
		Cal eConnect Grant (\$996K)	LA Care & LA County Match (\$250K + ED + \$750K)	Participant Funding & Maint. (\$173K)	Total	Plan Hours	Grant Rate	Revised Estimate 2/17/12	
Contract Staff									
Executive Director	LANES	\$ -	\$ 264,375	\$ -	\$ 264,375	0	\$ -	\$ 264,375	\$ -
Project Manager	LANES	\$ 97,760	\$ 90,638	\$ -	\$ 188,398	1557	\$ 140	\$ 298,259	\$ (109,861)
Operations Support	LANES	\$ 51,584	\$ -	\$ -	\$ 51,584	320	\$ 124	\$ 37,112	\$ 14,472
HIE Architect	WHIN	\$ 45,000	\$ -	\$ -	\$ 45,000	50	\$ 225	\$ 11,250	\$ 33,750
Legal Counsel	WHIN (Pillsbury)	\$ 28,750	\$ -	\$ -	\$ 28,750	50	\$ 575	\$ 28,750	\$ -
Subtotal		\$ 223,094	\$ 355,013	\$ -	\$ 578,107			\$ 639,746	\$ (61,639)
DATA EXCHANGE PARTNER-SIDE IMPLEMENTATION									
Hardware/Hosting/VPN									
Community Clinic Shared Edge Server (Hosted Mux Server)	LANES	\$ 48,000	\$ -	\$ -	\$ 48,000			\$ 40,300	\$ 7,700
AltaMed Edge Server (appliance installed in AltaMed site)	Participant Funding	\$ -	\$ -	\$ 33,000	\$ 33,000			\$ 22,499	\$ 10,501
Hollywood Pres Edge Server (appliance installed in HP site)	Participant Funding	\$ -	\$ -	\$ 33,000	\$ 33,000			\$ 22,499	\$ 10,501
LAC DHS Edge Server	LANES	\$ -	\$ -	\$ -	\$ -			\$ 49,999	\$ (49,999)
Mirth VPN Tunnels (29 * \$300/yr)	LANES	\$ 5,400	\$ -	\$ 3,300	\$ 8,700			\$ 7,200	\$ 1,500
Subtotal		\$ 53,400	\$ -	\$ 69,300	\$ 122,700			\$ 142,497	\$ (19,797)
Interface Development									
LAC DHS	LANES (contract staff)	\$ 66,500	\$ -	\$ -	\$ 66,500	239	\$ 110	\$ 26,290	\$ 40,210
Community Clinic i2i feeds	LANES (contract staff)	\$ -	\$ 17,750	\$ 25,000	\$ 42,750	1219	\$ 110	\$ 134,090	\$ (91,340)
Community Clinic Phase II Project with Los Angeles County	Los Angeles County (contract staff/vendors)	\$ -	\$ 750,000	\$ -	\$ 750,000			\$ 750,000	\$ -
LA Christian	LANES (contract staff)	\$ -	\$ 23,750	\$ -	\$ 23,750	164	\$ 110	\$ 18,040	\$ 5,710
QueensCare	LANES (contract staff)	\$ -	\$ 23,750	\$ -	\$ 23,750	164	\$ 110	\$ 18,040	\$ 5,710
Tarzana	LANES (contract staff)	\$ -	\$ -	\$ -	\$ -	180	\$ 110	\$ 19,800	\$ (19,800)

LANES HEALTH DATA HIGHWAY PROJECT - CAL eCONNECT GRANT BUDGET**GRANT TERM: JUNE 2011 THROUGH NOVEMBER 2012****UPDATED 2/17/2012**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Item	Responsible Party	PROJECT BUDGET				PROJECT ESTIMATE			Variance Cols. (6)-(9)
		Cal eConnect Grant (\$996K)	LA Care & LA County Match (\$250K + ED + \$750K)	Participant Funding & Maint. (\$173K)	Total	Plan Hours	Grant Rate	Revised Estimate 2/17/12	
CHAP	LANES (contract staff)	\$ -	\$ -	\$ -	\$ -	180	\$ 110	\$ 19,800	\$ (19,800)
Providence	LANES (contract staff)	\$ -	\$ -	\$ -	\$ -	180	\$ 110	\$ 19,800	\$ (19,800)
LA Care	LANES (contract staff)	\$ -	\$ -	\$ -	\$ -	180	\$ 110	\$ 19,800	\$ (19,800)
Quest Regional Data Feed	LANES	\$ 30,000	\$ -	\$ -	\$ 30,000	118	\$ 175	\$ 20,650	\$ 9,350
Subtotal		\$ 96,500	\$ 815,250	\$ 25,000	\$ 936,750			\$ 1,046,310	\$ (109,560)
<u>Interface Testing</u>									
Interface Testing - Including Labs (Quest, HP, AltaMed, and all others)	LANES (contract staff)	\$ 11,488	\$ 50,237	\$ -	\$ 61,725	2468	\$ 50	\$ 123,400	\$ (61,675)
Subtotal		\$ 11,488	\$ 50,237	\$ -	\$ 61,725			\$ 123,400	\$ (61,675)
<u>INFRASTRUCTURE COSTS</u>									
Core HIE Implementation in New Data Center	LANES	\$ 67,125	\$ 9,750	\$ -	\$ 76,875			\$ 144,000	\$ (67,125)
Mirth HIE Licenses	LANES	\$ 126,750	\$ -	\$ -	\$ 126,750			\$ 350,000	\$ (223,250)
Mirth Connect Annual Platinum Subscription	LANES	\$ -	\$ -	\$ -	\$ -			\$ 39,999	\$ (39,999)
Mirth Hosted Appliance Annual Subscription - H1000-MR	LANES	\$ -	\$ -	\$ -	\$ -			\$ 93,396	\$ (93,396)
IBM Initiate MPI Licenses	LANES	\$ 135,200	\$ -	\$ -	\$ 135,200			\$ 135,200	\$ -
IBM Initiate Migration and Upgrade		\$ 206,600	\$ -	\$ -	\$ 206,600			\$ 285,304	\$ (78,704)
Helpdesk/Training (24x7x365)	LANES	\$ -	\$ -	\$ -	\$ -			\$ 143,000	\$ (143,000)
Subtotal		\$ 535,675	\$ 9,750	\$ -	\$ 545,425			\$ 1,190,899	\$ (645,474)
Estimated Total Project Budget		\$ 920,157	\$ 1,230,250	\$ 94,300	\$ 2,244,707	5,192		\$ 3,142,852	\$ (898,145)
Other (includes other Participant Funding and In-Kind)		\$ -	\$ -	\$ -	\$ 1,715,596				
Fiscal Intermediary (8.5%)		\$ 75,913	\$ 20,625	\$ -	\$ 96,538				
Grand Total		\$ 996,070	\$ 1,250,875	\$ 94,300	\$ 4,056,841				

LANES HEALTH DATA HIGHWAY PROJECT - CAL eCONNECT GRANT BUDGET**GRANT TERM: JUNE 2011 THROUGH NOVEMBER 2012****UPDATED 2/17/2012**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Item	Responsible Party	PROJECT BUDGET				PROJECT ESTIMATE			Variance Cols. (6)-(9)
		LA Care & LA Cal eConnect Grant (\$996K)	County Match (\$250K + ED + \$750K)	Participant Funding & Maint. (\$173K)	Total	Plan Hours	Grant Rate	Revised Estimate 2/17/12	

BUDGET ITEMS THAT WERE DELETED OR MODIFIED BASED ON THE REVISED DELIVERABLES:

Privacy and Security Officer	\$	\$	\$	\$	\$	\$	\$	\$	\$
Integration Team Lead	\$	\$	\$	\$	\$	\$	\$	\$	\$
WHIN MPI Specialist (contractor --- \$225/hr @ 400 hrs)	\$	\$	\$	\$	\$	\$	\$	\$	\$
Writer (technical and communication support --- 445 @ \$70/hr)	\$	\$	\$	\$	\$	\$	\$	\$	\$
AltaMed	\$	\$	\$	\$	\$	\$	\$	\$	\$
Hollywood Pres-	\$	\$	\$	\$	\$	\$	\$	\$	\$
CVHP	\$	\$	\$	\$	\$	\$	\$	\$	\$
Technical Writer - Documentation	\$	\$	\$	\$	\$	\$	\$	\$	\$
Lab feed testing (Quest, HP, AltaMed- 229.75 hrs @ \$50/hr)	\$	\$	\$	\$	\$	\$	\$	\$	\$
Mirth Channel Development (interface) Consulting (200 @ \$150/hr)	\$	\$	\$	\$	\$	\$	\$	\$	\$
Mirth Results, Community Portal	\$	\$	\$	\$	\$	\$	\$	\$	\$
Mirth Connect, Data Feeds	\$	\$	\$	\$	\$	\$	\$	\$	\$
i2i Integration Services	\$	\$	\$	\$	\$	\$	\$	\$	\$
Distributed Query, NwHIN Gateway	\$	\$	\$	\$	\$	\$	\$	\$	\$
Additional IPSec VPN Connections	\$	\$	\$	\$	\$	\$	\$	\$	\$



County of Los Angeles CHIEF EXECUTIVE OFFICE

Kenneth Hahn Hall of Administration
500 West Temple Street, Room 713, Los Angeles, California 90012
(213) 974-1101
<http://ceo.lacounty.gov>

WILLIAM T FUJIOKA
Chief Executive Officer

Board of Supervisors
GLORIA MOLINA
First District

MARK RIDLEY-THOMAS
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

June 25, 2012

To: Supervisor Zev Yaroslavsky, Chairman
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Don Knabe
Supervisor Michael D. Antonovich

From: William T Fujioka
Chief Executive Officer

LOS ANGELES NETWORK FOR ENHANCED SERVICES - QUARTERLY UPDATE

On May 31, 2011, the Board authorized the Chief Executive Officer (CEO), as Chair of the Los Angeles Network for Enhanced Services (LANES) Board, to execute and implement the terms of the Cal eConnect (CeC) Health Information Exchange Expansion Grant Agreement on behalf of LANES, and accept grant funds in the amount of \$996,070 for the Health Data Highway Project (HDHP), effective upon Board approval for the term of June 2011 through November 2012, with approval by County Counsel and prior notification to the Board; and authorized the CEO to execute future amendments for modifications needed to comply with changes in State or federal laws or regulations, changes to line items in the budget and/or the timeline/deliverables as required for project implementation, and no-cost extensions if needed for project completion, in consultation with County Counsel and prior notification to the Board. In addition, the Board instructed the CEO to provide quarterly updates.

This is to provide our fourth quarterly report.

BACKGROUND

In our last quarterly report we provided revised deliverables, timelines and a budget for the LANES Health Data Highway Project (HDHP) based on discussions the LANES Board and staff had with both CeC and representatives of the LANES prior technology partner, Western Health Information Network (WHIN). As we indicated then, the revisions were necessary to address the lack of progress on the grant deliverables and projected cost overruns experienced to that point and as reported in our earlier quarterly

"To Enrich Lives Through Effective And Caring Service"

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reports. These revisions included the reorientation of some project deliverables so LANES could take more control over the resources in the project, and hire a Project Manager (PM) to oversee and ensure the project deliverables, timelines, and budget are met, and obtaining contract staff to perform project deliverables, as needed.

We also reported at that time, LANES and WHIN were considering a merger of the two Boards and infrastructures as a single Health Information Exchange (HIE) entity. However, after further review and discussions, including consultation with CeC staff, the LANES Board did not proceed in this direction.

CURRENT STATUS AND NEXT STEPS

Consistent with the revised LANES HDHP implementation plan, the LANES Board hired its PM, Irene Smith, on April 30, 2012. Ms. Smith has extensive experience in project management and health information technology, and will directly manage the project deliverables for the LANES HDHP, as well as the project deliverables for the Community Clinic Phase II Project, mentioned further below.

Further, despite concerted efforts to implement the LANES HDHP project plan in partnership with WHIN, the LANES Board ultimately determined to contract directly with the technology vendors to implement the project. This revised approach was discussed with and approved by CeC. Therefore, on April 13, 2012, the LANES Board directed their fiscal intermediary, Public Health Foundation Enterprises (PHFE), to exercise the 30-day termination for convenience clause in the contract between PHFE and WHIN. Termination of WHIN's contract was effective on May 12, 2012.

As a result, LANES Interim Executive Director (ED), Debbie Rieger, and PM, Irene Smith, are working with PHFE to establish agreements with vendors for the following technology resources:

- Core HIE Clinical Data Exchange Layer – Mirth Corporation: Mirth is an integration and HIE vendor and provides the core HIE technology to support the exchange of clinical data for patients within the LANES HIE with any participating provider. Mirth provides both the software and hardware to support the HIE functions, as well as the related hosting services in their data center. The LANES ED and PM will oversee Mirth's work. This agreement was recently executed.
- LANES HDHP Enterprise Master Patient Index – The LANES HIE needs an enterprise master patient index (EMPI) in order to uniquely identify patients within the HIE to ensure the correct data about each patient is shared with participating providers. The LANES ED and PM will oversee the chosen vendor's work. The

LANES team is evaluating options for obtaining an EMPI, and will be working toward establishing an agreement with a selected vendor. As the Board is aware, the County is undertaking its own EMPI implementation project. The LANES EMPI is distinct from the County's EMPI, and will not be co-located with the County.

- Data Center Hosting – The data center hosting vendor will provide and support the hardware for the LANES EMPI platform, if necessary, it will be located at an off-site data center facility. In addition, the hosting vendor will provide staffing and other services to support and maintain the system. The LANES ED and PM will oversee the services provided by the data center hosting vendor. The LANES Technical Advisory Committee is currently reviewing possible vendors that can meet the EMPI hosting requirements.
- Integration Staffing Resources – The integration staffing resources are needed to develop, program, and implement the various information system interfaces that are required to connect the LANES participant's health information systems to the LANES HIE. There are different systems in use among the various participants and each interface must be custom built and tested to ensure they work for each participant. The LANES ED and PM will oversee the integration work as well. The LANES Technical Advisory Committee is looking at vendor options to obtain the integration resources.

In view of these substantial changes, the LANES Board, ED and PM, are re-evaluating the project deliverables, timeline and budget for revisions consistent with the project scope. The LANES Board intends to complete the project as quickly as possible; however, in order to do so, per the Board's delegation to the CEO on May 31, 2011, and in consultation with CeC, we will be working with CeC to execute a no-cost extension to the grant agreement to accommodate the revised timeline, as necessary. The priority continues to be connecting all Department of Health Services (DHS) facilities to the LANES HIE, along with as many Community Clinics as possible within the available grant funds.

SUSTAINIBILITY COMMITTEE

In our third quarterly update dated March 2, 2012, we indicated that LANES established a Sustainability Committee with representatives from the CEO, Chief Information Office (CIO), L.A. Care, Gateways Hospital, and Community Health Alliance of Pasadena. The committee meets on a bi-weekly basis and the goal of the committee is to identify a sustainability model to be presented to the LANES Board. We will update this Board on the sustainability model once it has been developed and is mature enough to be shared.

COMMUNITY CLINICS PHASE II PROJECT

In our second quarterly update dated December 19, 2011, we indicated that the Health-e-LA Board voted to dissolve itself and requested that the LANES Board accept oversight of the Health-e-LA projects, including the previously received grant funds from Pacific United to begin the Encounter Summary Sheet (ESS) Phase I project and the \$1.5 million that the Board approved for Phase II of the project to allow for interfaces of additional community clinics with DHS and the LANES HDHP.

With the present opportunity to connect the community clinics to the LANES HDHP rather than the interim ESS view, we have revised the project name to the Community Clinics Phase II Project (Phase II), instead of the Encounter Summary Sheet Phase II Project. We also reported that PHFE would remain the fiscal intermediary for the Phase II project for project management, development, implementation and evaluation services. As noted above regarding the LANES HDHP, PHFE also hired Irene Smith to provide project management services for the Phase II project, since it is now aligned with the LANES HDHP project. This will allow both projects to benefit from her knowledge and experience and will ensure coordination between the related projects. The status of the project is as follows:

- Instead of enhancing the ESS as originally reported and consistent with the authority delegated to DHS to leverage funding and technology improvement opportunities through LANES, the Phase II project will now connect the next set of Community Clinics directly to the LANES HIE to improve and expand the information that is shared between DHS and the Community Clinics by utilizing the more robust capabilities of the LANES HIE infrastructure.
- Under this revised scenario, the pertinent data regarding the Community Clinic's patients will be shared in a secure fashion with the LANES HIE, and information about DHS responsible patients will be routed from the LANES HIE to the DHS Enterprise Data Repository (EDR) in order to complete the DHS patient information records.
- The LANES Technical Advisory Committee is working with PHFE to establish the necessary agreements with technology and staffing vendors, including Mirth Corporation, to connect with the LANES HIE and integration staffing to develop system interfaces between the Community Clinics and the LANES HIE.
- DHS will build additional interfaces from the LANES HIE to the DHS EDR in order to receive the data back related to DHS responsible patients.

- The project is expected to be completed by February 2013. Per the Board's delegated authority provided to DHS on May 17, 2011, DHS will be working with PHFE to execute a no-cost extension to the Phase II agreement beyond the original end date of December 31, 2012, in order to accommodate the revised timeline.

DHS PARTICIPATION IN LANES

As indicated in our third quarterly report, LANES has established a policy committee to evaluate privacy and security policies and to review current data use agreements in order to develop the standard LANES data use agreement which will need to be signed by participants of the LANES HIE. County representatives, including staff from the CEO, CIO's, Chief Information Security Officer, County Counsel, Auditor-Controller's County Health Insurance Portability and Accountability Act (HIPAA) Privacy Office, the Department of Mental Health, and DHS' HIPAA Privacy Officers, are participating in the work of the LANES policy committee in order to ensure the standard LANES data use agreement meets the State, federal, and County's legal requirements. In order to participate in the LANES HIE, DHS will need to obtain Board approval of the data use agreement and delegated authority to execute it. We will brief the Board offices on these policies and agreements once they are complete. We anticipate presenting the Agreement to the Board in early fall 2012.

County representatives from the CEO, CIO and County Counsel continue to work on the process for purchasing the required County EMPI licenses, and we will provide an update in our next quarterly report.

CAL eCONNECT ORGANIZATIONAL CHANGE

On May 16, 2012, the California Health and Human Services Agency (CHHS) announced that the Institute for Population Health Improvement (IPHI) has been selected to implement the HIE programs under the State's Cooperative Grant Agreement with the federal Office of the National Coordinator for Health Information Technology (ONC), which includes the grant funding for the LANES HDHP. CHHS will work in partnership with CeC to transition the HIE programs to the IPHI, which is part of the University of California at Davis (UC Davis) Health System. CeC has indicated that this transition should not impact the grant funding for the LANES HDHP. However, since the grant funding is currently being provided to the County, on behalf of LANES, pursuant to an executed Agreement with CeC, we are seeking further clarification from the State and CeC on the timing of this transition. This will help us determine whether and when we may need to return to the Board for approval of a replacement Agreement with either the CHHS or UC Davis for any portion of the HIE expansion grant.

ADDITIONAL GRANT FUNDING OPPORTUNITIES

CeC has recently offered three additional grant funding opportunities for Health Information Exchange initiatives. The grant opportunities are for Planning, Infrastructure, and Innovation, and Cycle 1 of these grants covers September 2012 through February 2013, while Cycle 2 covers December 2012 through May 2013. Upon review, the LANES Board decided the Infrastructure grant was the best fit for LANES. The Infrastructure grant aims to fund HIE initiatives with high population impact and/or broad geographic scope that are ready to make investments in technology infrastructure enabling HIE across unaffiliated organizations and, wherever possible, distinct electronic health record vendor systems.

LANES has submitted a Letter of Intent (LOI) for a Cycle 1 Infrastructure grant in the amount of \$500,000. The \$500,000 would be used to cover additional costs for integration staffing resources, hardware for the LANES HIE EMPI and health data exchange platforms, and a portion of the EMPI hosting services. On June 19, 2012, CeC advised LANES that our LOI was approved, and CeC is requesting a full proposal to be submitted for consideration by July 17, 2012. The grant requires a 50 percent match of the CeC grant award, which will be provided by identifying up to \$250,000 of the \$1.5 million Community Clinics Phase II project funding. As the Board is aware, \$750,000 of the \$1.5 million was previously identified as matching funds for the LANES HDHP project.

LANES may also submit an LOI for a Cycle 2 Innovation grant, and we will provide more information in that regard in our next quarterly report.

CONCLUSION

As noted above, LANES is moving forward with a more direct management of the HDHP project in order to ensure that the project and its deliverables are accomplished in a more timely manner by the end of the grant period in November 2012. LANES is working closely with CeC on the project status and will be providing CeC with a revised deliverable timeline and budget for their review and approval shortly, in order to obtain additional distributions of the grant funds.

LANES will continue working with PHFE to establish the necessary contracts with contract staffing and technology vendors necessary to move the project forward to a successful conclusion.

Each Supervisor
June 25, 2012
Page 7

Lastly, as noticed above, the CEO and DHS will be working with CeC and PHFE, respectively, to execute no-cost extensions to their respective agreements.

We will report additional progress on these projects and provide the updated timeline for accomplishing deliverables and the revised budget in our next quarterly report to your Board by August 31, 2012.

If you have any questions regarding this matter, please contact Sheila Shima at (213)974-1160 or sshima@ceo.lacounty.gov or Kevin Lynch, DHS Chief Information Officer, at (213) 240-8128 or klynch@dhs.lacounty.gov.

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062512_HMHS_MBS_Lanes Quarterly Update



County of Los Angeles CHIEF EXECUTIVE OFFICE

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WILLIAM T FUJIOKA
Chief Executive Officer

Board of Supervisors
GLORIA MOLINA
First District

MARK RIDLEY-THOMAS
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

September 27, 2012

To: Supervisor Zev Yaroslavsky, Chairman
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Don Knabe
Supervisor Michael D. Antonovich

From: William T Fujioka
Chief Executive Officer

A handwritten signature in black ink, appearing to read "W. T. Fujioka", is written over the printed name and title.

LOS ANGELES NETWORK FOR ENHANCED SERVICES - QUARTERLY UPDATE

On May 31, 2011, the Board authorized the Chief Executive Officer (CEO), as Chair of the Los Angeles Network for Enhanced Services (LANES) Board, to execute and implement the terms of the Cal eConnect (CeC) Health Information Exchange (HIE) Expansion Grant Agreement on behalf of LANES, and accept grant funds in the amount of \$996,070 for the Health Data Highway Project (HDHP), effective upon Board approval for the term of June 2011 through November 2012, with approval by County Counsel and prior notification to the Board; and authorized the CEO to execute future amendments for modifications needed to comply with changes in State or federal laws or regulations, changes to line items in the budget and/or the timeline/deliverables as required for project implementation, and no-cost extensions if needed for project completion, in consultation with County Counsel and prior notification to the Board. In addition, the Board instructed the CEO to provide quarterly updates.

This is to provide our fifth quarterly report.

BACKGROUND

In our last quarterly report we indicated we were moving forward with a more direct management of the HDHP. We had begun the work of establishing the necessary contracts with the contract staffing and technology vendors. We also indicated we were working with CeC to execute a no-cost extension to the grant agreement, as well as an

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extension to the agreement between DHS and Public Health Foundation Enterprises, Inc. (PHFE) for the Community Clinic Phase II project. Lastly, we indicated we were applying for an additional Infrastructure grant from CeC.

CURRENT STATUS AND NEXT STEPS

The LANES Project Manager (PM), Irene Smith, continues to work with the LANES Board and technology vendors to setup the necessary agreements to move the LANES HDHP forward. Since our last report, we have completed agreements for integration staffing resources, including agreements with Health Data Engineering (HDE) and StrataVation. HDE will develop, program, and implement the various information system interfaces that are required to connect the LANES participant's health information systems to the LANES HIE. StrataVation provides two consultants, Jim Marsden and Linda Egan. Both Mr. Marsden and Ms. Egan provide technical resources to the project and will also oversee much of the technical work performed by HDE.

The LANES PM is in the final steps of completing an agreement for the LANES HDHP Enterprise Master Patient Index with IBM. The LANES PM is also continuing to work with the leading vendor on a data hosting agreement. These two outstanding agreements are the final pieces needed in order to ensure work on the project can begin to move forward.

As of our last Quarterly Report, the funding provided by L.A. Care for the LANES Interim Executive Director (ED) has been fully spent, and the contract with Debbie Rieger is now expired. While the LANES Board is evaluating options to fund the full-time ED position, the responsibilities of that position are being handled with additional in-kind resources from various LANES Board members. The LANES Board expects that this position will be funded on an ongoing basis once the sustainability model, which is currently under development, is finalized and implemented.

LANES TECHNICAL ADVISORY COMMITTEE/CLINICAL ADVISORY COMMITTEE

As the LANES Board has taken a more direct management role over the HDHP project, the LANES Technical Advisory Committee has also taken a more direct role in evaluating the technology to implement the LANES HIE. The Technical Advisory Committee is currently working with both Mirth and IBM to determine the functionality of the proposed HIE to see if it offers the full scope of envisioned functionality to users of the system. To support this effort, the LANES Board is also beginning to form its Clinical Advisory Committee, largely made up of clinical staff, which will evaluate the proposed functionality of the system to determine what other features, if any, will be

needed to ensure the system meets clinical expectations. Additional time and resources may be needed beyond the scope and timeline of the grant to implement any additional functionality that is identified, however, LANES plans to do any necessary work concurrently with the grant, if possible.

CAL eCONNECT ORGANIZATIONAL CHANGE

As previously reported, on May 16, 2012, the California Health and Human Services Agency (CHHS) announced that the Institute for Population Health Improvement (IPHI) at the University of California, Davis had been selected to implement the programs under the State's Cooperative Grant Agreement with the federal Office of the National Coordinator for Health Information Technology (ONC), which includes the grant funding for the LANES HDHP. CHHS is working with CeC to transition the implementation of the programs to the IPHI. Following this transition, CHHS determined that it would contract directly with the grantees to award the balance of the grant funding.

On August 29, 2012, the County received the notice of termination of the agreement with CeC effective August 31, 2012, and simultaneous with the termination, CHHS was offering a replacement Cooperative Agreement to foster further expansion of HIE, to be effective September 1, 2012. Grantees were advised to continue the project work while the process was followed to approve and execute the replacement agreements.

The replacement Agreement was received from CHHS on September 5, 2012. The terms of the Agreement have been reviewed by County Counsel and approved as to form. The replacement agreement is for a one-year term from September 1, 2012 through August 31, 2013, which includes the no-cost extension as requested by LANES. The item is on the Board's October 2, 2012 agenda for approval and includes the revised deliverables and budget consistent with the revised timeline.

We continue to work closely with the CeC staff during the transition to the IPHI. We conducted monthly check-in calls on July 16th, August 21st, and September 19, 2012.

SUSTAINABILITY COMMITTEE

In our third quarterly update dated March 2, 2012, we indicated that LANES established a Sustainability Committee with representatives from the CEO, Chief Information Office (CIO), L.A. Care, Gateways Hospital, and Community Health Alliance of Pasadena. The committee continues to meet and is working to evaluate various sustainability options and develop a model for LANES. We will update this Board on the sustainability model once it has been more fully developed.

Based on the experience of other HIEs across the country, it is apparent that large volume users of the LANES HIE, such as DHS and L.A. Care, will likely need to bear a proportionately larger share of the on-going cost of supporting the HIE in the sustainability model as compared to the smaller community clinics and other future LANES participants. While the on-going costs specific to a fully implemented LANES HIE are still being developed, the customary costs of HIEs are largely driven by the software licensing costs and data hosting costs required to support the volume of lives that will be entered into the LANES HIE. Optimal participation by medical providers in the HIE is a key factor to developing a sustainable financing model, and provides one of the major challenges for review by the committee.

PRIVACY AND SECURITY POLICIES COMMITTEE

As indicated in our fourth quarterly report, the LANES Privacy and Security Policies Committee was evaluating privacy and security policies and reviewing current data use agreements in order to develop the standard LANES data use agreement which will need to be signed by participants of the LANES HIE. This agreement is key in ensuring the standard LANES data use agreement meets the State, federal, and County's legal requirements. In order to participate in the LANES HIE, DHS will need to obtain Board approval of the data use agreement and delegated authority to execute it. We will brief the Board offices on these policies and agreements once they are complete. We anticipate presenting the Agreement to the Board in fall 2012.

COMMUNITY CLINICS PHASE II PROJECT

In conjunction with the LANES HDHP project, PHFE has completed agreements with HDE and StrataVation to provide the Phase II project with the necessary integration resources necessary to complete the system interfaces. PHFE is in the process of completing an agreement with the Community Clinic Association of Los Angeles County (CCALAC) in order to perform the necessary outreach to identify the next set of community clinics to be connected to the LANES HIE.

As indicated in our fourth quarterly report, DHS will be working with PHFE, per the Board's delegated authority provided to DHS on May 17, 2011, to execute a no-cost extension to the Phase II agreement beyond the original end date of December 31, 2012, in order to accommodate the revised project timeline. The Phase II PM, Ms. Smith, is evaluating the necessary end date that will accommodate the revised LANES HDHP timeline in order to properly schedule the required interface build time with the shared integration resources.

ADDITIONAL GRANT FUNDING OPPORTUNITIES

CeC Infrastructure Grant – In our fourth quarterly report, we indicated that LANES had submitted a Letter of Intent (LOI) for a Cycle 1 Infrastructure grant in the amount of \$500,000 to CeC. The Infrastructure grant aims to fund HIE initiatives with high population impact and/or broad geographic scope that are ready to make investments in technology infrastructure enabling HIE across unaffiliated organizations and, wherever possible, distinct electronic health record vendor systems. Based on the LOI, CeC requested a full grant proposal from LANES.

L.A. Care, as the prime applicant on behalf of LANES, utilized a grant writer to prepare the proposal and submitted it on July 17, 2012. CeC was scheduled to post the notices of intent to award on August 24, 2012 and grants were planned to begin in September 2012. However, the process has been delayed by the transition from CeC to IPHI. We have not been notified of a revised date for their decision, which would also push out the proposed start date of the grants.

United Healthcare/Pacificare Grant – As you may recall, the original Encounter Summary Sheet project was funded by a grant from United Healthcare/Pacificare (UHC) Grant of \$1.3 million, which was applied for by PHFE on behalf of Health-e-LA. UHC recently announced a second round of grant funding that was only available to first round grant funding recipients, which qualified PHFE to apply for the second round of grant funding on behalf of LANES. LANES worked with a grant writer to prepare a grant proposal for \$1.3 million that proposes to connect an additional 18 community clinics to the LANES HIE and it was submitted on August 31, 2012. This would increase to 48 the total number of community clinics connected to the LANES HIE. UHC recently indicated that they are planning to notify grantees of awards in early December 2012.

CONCLUSION

As noted above, LANES is moving forward with a more direct management of the HDHP project in order to ensure that the project and its revised deliverables and budget are accomplished in a more timely manner by the end of the grant period in August 2013. LANES is working closely with CeC on the project status and will continue working with PHFE to establish the necessary contracts with the remaining technology vendors necessary to move the project forward to a successful conclusion.

Each Supervisor
September 27, 2012
Page 6

Lastly, as noticed above, LANES will continue to work on the sustainability model, security and privacy procedures, and actively pursue additional grant opportunities. As indicated above, the sustainability model will require the County to incur an annual expense to support the LANES HIE and we will report more information to the Board on this as soon as it is available.

We will report additional progress on these projects in our next quarterly report to your Board by November 30, 2012.

If you have any questions regarding this matter, please contact Sheila Shima at (213) 974-1160 or sshima@ceo.lacounty.gov or Kevin Lynch, DHS Chief Information Officer, at (213) 240-8128 or klynch@dhs.lacounty.gov.

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c: Executive Office, Board of Supervisors
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WILLIAM T FUJIOKA
Chief Executive Officer

December 3, 2012

To: Supervisor Zev Yaroslavsky, Chairman
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Don Knabe
Supervisor Michael D. Antonovich

From: William T Fujioka
Chief Executive Officer

Board of Supervisors
GLORIA MOLINA
First District

MARK RIDLEY-THOMAS
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

LOS ANGELES NETWORK FOR ENHANCED SERVICES - QUARTERLY UPDATE

On May 31, 2011, the Board authorized the Chief Executive Officer (CEO), as Chair of the Los Angeles Network for Enhanced Services (LANES) Board, to execute and implement the terms of the Cal eConnect (CeC) Health Information Exchange (HIE) Expansion Grant Agreement on behalf of LANES, and accept grant funds in the amount of \$996,070 for the Health Data Highway Project (HDHP), effective upon Board approval, for the term of June 2011 through November 2012, with approval by County Counsel and prior notification to the Board; and authorized the CEO to execute future amendments for modifications needed to comply with changes in State or federal laws or regulations, changes to line items in the budget and/or the timeline/deliverables as required for project implementation, and no-cost extensions if needed for project completion, in consultation with County Counsel and prior notification to the Board. In addition, the Board instructed the CEO to provide quarterly updates.

This is to provide our sixth quarterly report.

BACKGROUND

In our last quarterly report we indicated we were reviewing the final recommendations for LANES HDHP vendors for an Enterprise Master Person Index (EMPI) and data hosting services. In addition, we were completing a replacement HIE Expansion Grant Agreement with the California Health and Human Services Agency (CHHS).

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We also indicated we were working with CeC to execute a no-cost extension to the grant agreement, as well as an extension to the agreement between the Department of Health Services (DHS) and PHFE for the Community Clinic Phase II project. Lastly, we indicated we were applying for an additional grant from CeC and United Healthcare/Pacificare.

CURRENT STATUS AND NEXT STEPS

In our last report, we indicated that the LANES Project Manager (PM) was in the final steps of completing an agreement for the lead vendors for a LANES HDHP EMPI and a data hosting agreement. These two outstanding agreements were the final pieces needed in order to ensure work on the project can begin to move forward.

As we discuss later in this memo, LANES was hoping to secure an HIE Infrastructure Grant from CHHS in order to fund a large portion of the required hardware and data hosting services to support the EMPI. Subsequently, CHHS notified LANES that we would not be receiving an HIE Infrastructure Grant; therefore, the LANES Board determined it was no longer financially feasible to move forward at this time with the lead vendors for the EMPI and data hosting, and have so advised the vendors. The LANES Board is evaluating options to obtain an EMPI and the related data hosting services through the use of the clinic data exchange vendor, Mirth. The LANES Board is working to determine the final cost of these services in order to ensure they fall within the available HIE Expansion Grant funding. Once these services are in place, we expect the technical work on the HDHP to begin to move forward quickly.

LANES TECHNICAL ADVISORY COMMITTEE/CLINICAL ADVISORY COMMITTEE

As the LANES Board has taken a more direct management role over the HDHP project, the LANES Technical Advisory Committee has also taken a more direct role in evaluating the technology to implement the LANES HIE. The Technical Advisory Committee evaluated alternatives to IBM Initiate, and identified Mirth as the best alternative given the current circumstances of the LANES HDHP EMPI. The committee is currently reviewing the functionality of the Mirth algorithm. To support this effort, the LANES Board formed a Clinical Advisory Committee, largely made up of clinical staff. This committee will evaluate the existing functionality of the Mirth clinical interface and confirm that it sufficiently meets clinical expectations. Additional time and resources may be needed beyond the scope and timeline of the grant to implement any additional functionality that is needed. LANES plans to do any necessary work concurrently with the grant, if possible.

CAL eCONNECT ORGANIZATIONAL CHANGE

In our last quarterly update, we indicated that a replacement HIE Expansion Grant Agreement was on the Board's October 2, 2012 agenda. Per the Board's approval granted on October 2, 2012, the Agreement was recently executed.

In addition, the Institute for Population Health Improvement (IPHI) at the University of California, Davis has established the California Health eQuality (CHeQ) program. CHeQ will be the arm of the IPHI that will develop and implement HIE programs according to the State's Cooperative Grant Agreement with the federal Office of the National Coordinator for Health Information Technology. CHeQ seeks to improve health care quality and the coordination of care by using HIE technology to facilitate the rapid flow of information among physician offices, hospitals and other health care providers.

CHeQ's programs intend to promote health care quality and the coordination of care by expanding underserved communities' capacities to exchange health information or access to Direct, a simple, standards-based way for senders to push secure, encrypted health information directly to trusted recipients over the Internet. CHeQ also will improve sharing of immunization, laboratory, and care information, and provide tools to assist providers in identifying private, secure, standardized and trusted systems.

We continue to work closely with CHHS and CHeQ on the LANES HDHP. We also conducted monthly check-in calls on September 19, October 16, and November 20, 2012.

SUSTAINABILITY COMMITTEE

The LANES Sustainability Committee continues to meet and is working to evaluate various options and develop a model for LANES. The Committee has also reached out to CHeQ in order to begin a dialogue with staff to share their knowledge of sustainability among the various organizations they have contact with at the State level.

As we indicated in our last report, based on the experience of other HIEs across the country, it is apparent that large-volume users of the LANES HIE, such as DHS and L.A. Care, will likely need to bear a proportionately larger share of the on-going cost of supporting the HIE in the sustainability model as compared to the smaller community clinics and other future LANES participants. While the on-going costs specific to a fully implemented LANES HIE are still being developed, the customary costs of HIEs are largely driven by the software licensing costs and data hosting costs required to support the volume of lives that will be entered into the LANES HIE. Optimal participation by medical providers in the HIE is a key factor to developing a sustainable financing model, and provides one of the major challenges for review by the committee.

PRIVACY AND SECURITY POLICIES COMMITTEE

The LANES Privacy and Security Policies Committee recently approved a draft of the LANES data use agreement that will be shared with the LANES Board for review and approval shortly. Each member of the LANES Board will need to review the agreement with their own legal counsel and request authority from their respective governing bodies to approve the final agreement. Once a final agreement is approved, each LANES HIE participant will need to sign the agreement. In order to participate in the LANES HIE, DHS will need to obtain Board approval of the data use agreement and delegated authority to execute it. We will brief the Board offices on these policies and agreements once they are complete. We anticipate presenting the agreement in early 2013.

TECHNICAL PROGRESS ON THE LANES HDHP

With most of the vendor contracts in place for the HDHP, work has begun on the project. StrataVation and Health Data Engineering (HDE) are doing integration work on various interfaces and the following is a summary of some of the work completed to date:

DHS

- Mirth Edge server has been installed
- Test patient discharge summary data from DHS was successfully transmitted and filed into the LANES HIE platform
- Confirmed that messages created in the current and previous interface versions 2.2 and 2.3 were successfully transmitted and filed into the LANES HIE platform

LA Care

- Test patient claims data was successfully transmitted from L.A. Care's database to the LANES HIE platform

CCALAC

- Working with the Community Clinic Association of Los Angeles County (CCALAC) on a presentation and process for marketing LANES to the community clinics
- i2i is ready to begin work to connect the Phase I Community Clinics to the LANES HIE and is waiting for LANES to get the participating clinic Business Associate Agreements signed to start

Quest

- Started implementation design of the Quest results interface

All

- Evaluating messages from all participant sources to ensure consistent, accurate patient information is being sent to LANES
- Identifying opportunities for standardization of messages and data elements when possible

COMMUNITY CLINICS PHASE II PROJECT

Since our last quarterly report, the Public Health Foundation Enterprises, Inc. (PHFE) has completed an agreement with CCALAC in order to perform the necessary outreach to identify the next set of community clinics to be connected to the LANES HIE.

The PM continues to evaluate the project timeline in order to determine when the Phase II project will be completed, which is dependent on the revised LANES HDHP timeline. This will be completed shortly and DHS will be working with PHFE, per the Board's delegated authority provided to DHS on May 17, 2011, to execute a no-cost extension to the Phase II agreement beyond the original end date of December 31, 2012.

ADDITIONAL GRANT FUNDING OPPORTUNITIES

HIE Infrastructure Grant – As noted earlier in this memo, CHHS declined to award LANES an HIE Infrastructure Grant. The grant proposal was for \$500,000 and would have offset a portion of the hardware and data hosting services to support the LANES EMPI, as well as additional health data exchange platform costs and integration resources. LANES will continue to evaluate future grant opportunities from CHHS to determine if any are appropriate for the HDHP.

United Healthcare/Pacificare (UHC) Grant – As reported in our last update, LANES submitted a grant proposal for \$1.3 million on August 31, 2012 that proposes to connect an additional 18 community clinics to the LANES HIE. This would increase to 48 the total number of community clinics connected to the LANES HIE. UHC has indicated that they are planning to notify grantees of awards in January 2013.

COUNTY ENTERPRISE MASTER PERSON INDEX

The County had been preparing to start sole source negotiations with IBM in regard to securing an EMPI for the County, given that IBM was the proposed vendor for the LANES HDHP. However, due to the change in EMPI vendor for the LANES HDHP, the County is evaluating options for obtaining an EMPI and will report to your Board separately on this matter.

ADDITIONAL COUNTY DEPARTMENTS

From the beginning of the LANES initiative, we have envisioned that LANES would include other County departments that maintain and utilize health information systems, such as the Sheriff, Probation, Mental Health (DMH), Public Health (DPH), and Children and Family Services. At the outset of the LANES HDHP, largely due to the limited grant funding that LANES received from the HIE Expansion Grant, the plan was to begin with DHS and connect other County departments in the future. This Office sent a memo to the Board on November 19, 2012, with a Memorandum of Understanding that was signed by the Sheriff, Probation, and DHS indicating their commitment to work together to share data among their respective EHR's. As these three departments are moving forward with updating and implementing their respective EHR's that will enable them to share data amongst themselves, the time is right to begin discussions on whether the Sheriff and Probation will connect to LANES as well. In addition, we have initiated discussions with DMH and DPH regarding their involvement in LANES and when that would occur. We will continue to update your Board on these discussions as they happen.

CONCLUSION

As noted above, LANES is finalizing the final agreement with the EMPI vendor that will allow the HDHP to quickly move forward with the funding available in the HIE Expansion Grant. The LANES Board members will also be reviewing the data use agreement for approval in the coming weeks, and we expect DHS to bring the agreement to the Board for consideration in early 2013. LANES also continues to work closely with CHeQ on the project status.

Lastly, as noted above, LANES will continue to work on the sustainability model and actively pursue additional grant opportunities. The sustainability model will require the County to incur an annual expense to support the LANES HIE and we will report to the Board on this as more information becomes available.

We will report additional progress on these projects in our next quarterly report to your Board by February 28, 2013.

Each Supervisor
December 3, 2012
Page 7

If you have any questions regarding this matter, please contact Sheila Shima at (213) 974-1160 or sshima@ceo.lacounty.gov or Kevin Lynch, DHS Chief Information Officer, at (213) 240-8128 or klynch@dhs.lacounty.gov.

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c: Executive Office, Board of Supervisors
Sheriff
County Counsel
Auditor-Controller
Chief Information Office
Health Services
Mental Health
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120312_HMHS_MBS_LANES Quarterly Update